

**IMPLANTABLE ORTHOPEDIC SURGICAL DEVICES WITH  
CONTROLLED RELEASE ANTIMICROBIAL COMPONENT  
ABSTRACT OF THE DISCLOSURE**

**[00166]** Surgical devices and methods of treatment using the devices are disclosed. The devices comprise a solid component such as a surgical screw with indentations formed in its surface and spherical particles bound to the indentation. The particles are designed to provide controlled release of antimicrobial compound thereby treating osteomyelitis.

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